

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P730558

Luminaire Tested: **HBLED-LD5-18HE-W-CL-WG-UNV-L750**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730558
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33385)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-18HE-W-CL-WG-UNV-L750
Description: 18000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS,
WIREGUARD & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18137.0 lumens
Efficiency: N/A
Efficacy: 164.6 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.3 / 1.33
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

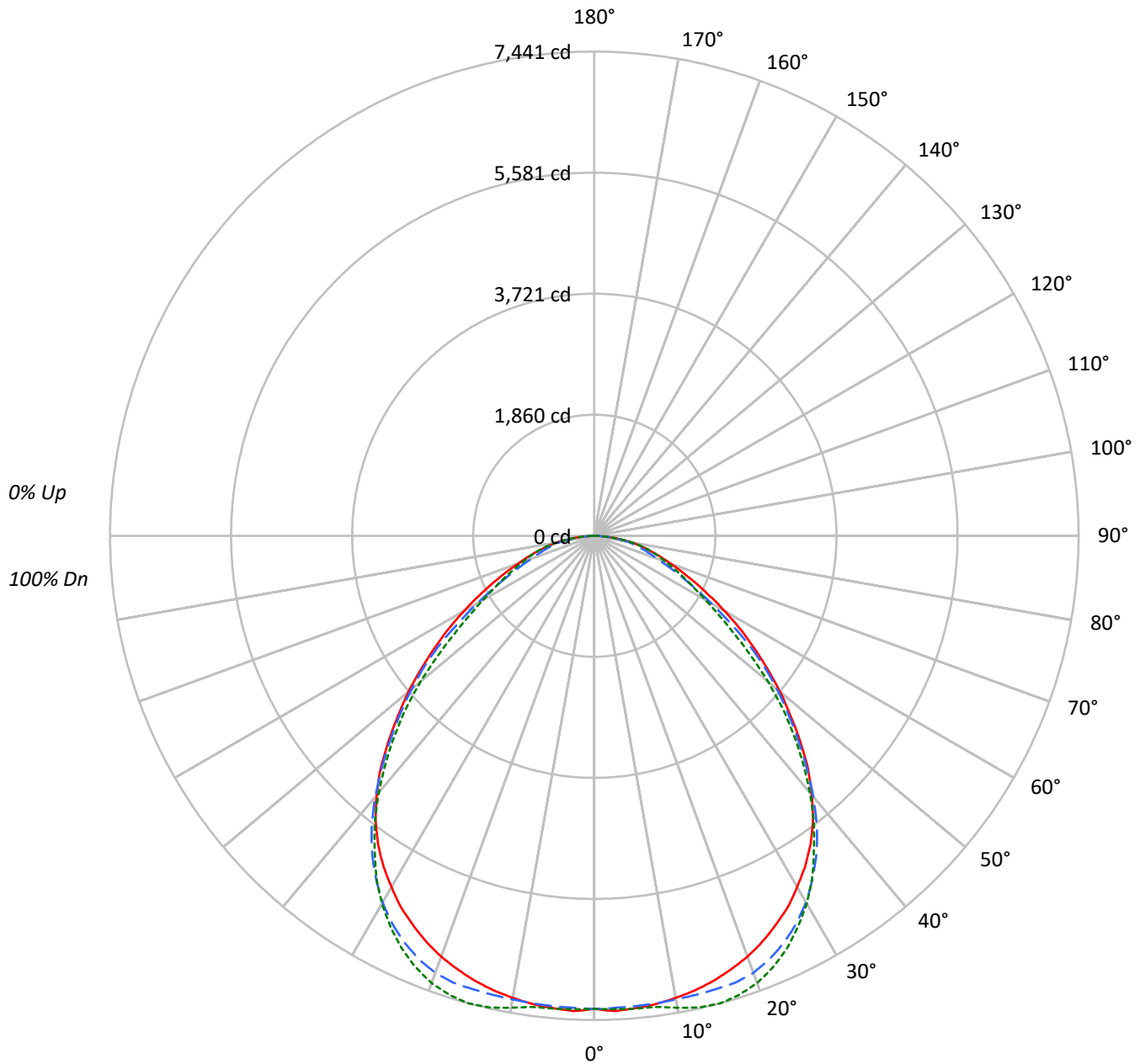
Input Watts (W): 110.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	110	105	102	98	107	103	100	96	99	96	93	95	93	91	92	90	88	86		
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73		
3	92	83	75	69	90	81	74	68	78	72	67	76	70	66	73	69	65	63		
4	85	74	66	59	83	73	65	59	70	64	58	68	62	57	66	61	57	55		
5	79	67	58	52	77	65	57	52	63	56	51	61	55	50	60	54	50	48		
6	73	60	52	46	71	59	51	45	58	50	45	56	50	45	54	49	44	42		
7	68	55	46	41	66	54	46	40	53	45	40	51	45	40	50	44	40	38		
8	63	50	42	36	62	50	42	36	48	41	36	47	41	36	46	40	36	34		
9	59	46	38	33	58	46	38	33	45	38	33	43	37	33	42	37	32	31		
10	56	43	35	30	54	42	35	30	41	34	30	40	34	30	39	34	30	28		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	11742	11742	11742
5°	11811	11762	11820
10°	11822	11862	12074
15°	11836	12059	12438
20°	11828	12280	12566
25°	11756	12291	12471
30°	11621	12128	12166
35°	11413	11735	11594
40°	10963	11030	10857
45°	10215	10108	9903
50°	9353	9202	8731
55°	8401	8089	7382
60°	7451	6693	6372
65°	6564	5561	5783
70°	5871	4826	5508
75°	5500	4692	5570
80°	5354	4744	5302
85°	4274	3753	3892



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	692.8	3.8
10°-20°	2040.6	11.3
20°-30°	3139.2	17.3
30°-40°	3663.6	20.2
40°-50°	3404.5	18.8
50°-60°	2523.6	13.9
60°-70°	1542.7	8.5
70°-80°	878.7	4.8
80°-90°	251.3	1.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	5872.6	32.4
0°-40°	9536.2	52.6
0°-60°	15464.3	85.3
0°-90°	18137.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18137.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7272	7272	7272	7272	7272	
5°	7287	7254	7257	7252	7293	693
15°	7081	7077	7214	7357	7441	1999
25°	6599	6650	6899	6957	7000	3040
35°	5790	5836	5954	5905	5882	3608
45°	4474	4500	4427	4358	4337	3447
55°	2984	2909	2874	2669	2622	2678
65°	1718	1561	1456	1495	1514	1720
75°	882	827	752	857	893	943
85°	231	225	203	210	210	266
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7272.4	7272.4	7272.4	7272.4	7272.4
2.5°	7311.8	7270.5	7263.0	7246.2	7283.6
5°	7287.4	7253.6	7257.4	7251.8	7293.1
7.5°	7259.3	7234.9	7249.9	7248.0	7302.4
10°	7210.5	7197.4	7234.9	7276.2	7364.3
12.5°	7156.1	7143.0	7225.5	7330.5	7426.2
15°	7081.1	7077.3	7214.3	7356.8	7441.2
17.5°	6987.3	6992.9	7201.1	7323.1	7398.1
20°	6884.1	6893.5	7146.7	7246.2	7313.7
22.5°	6751.0	6782.9	7041.7	7124.2	7176.7
25°	6599.0	6649.6	6899.1	6957.3	7000.4
27.5°	6435.8	6486.5	6722.8	6752.8	6777.2
30°	6233.2	6304.5	6505.2	6509.0	6525.8
32.5°	6026.9	6090.7	6244.5	6227.6	6231.3
35°	5790.5	5835.5	5953.7	5905.0	5882.4
37.5°	5518.6	5542.9	5617.9	5544.8	5541.0
40°	5201.5	5233.4	5233.4	5132.2	5150.9
42.5°	4863.9	4875.1	4828.3	4732.6	4747.6
45°	4473.7	4500.0	4426.8	4357.5	4336.8
47.5°	4087.3	4113.6	4036.7	3956.0	3920.4
50°	3723.4	3710.3	3663.4	3526.5	3475.8
52.5°	3346.4	3305.1	3286.4	3085.7	3027.5
55°	2984.4	2909.4	2873.7	2669.2	2622.3
57.5°	2648.6	2513.6	2446.1	2286.6	2267.8
60°	2307.3	2155.3	2072.7	1969.6	1973.3
62.5°	1997.7	1838.2	1738.9	1708.9	1722.0
65°	1718.2	1560.6	1455.6	1495.0	1513.7
67.5°	1465.0	1335.6	1217.4	1309.3	1328.0
70°	1243.7	1140.5	1022.3	1157.4	1166.8
72.5°	1059.8	975.4	876.0	1003.5	1024.1
75°	881.6	827.3	752.2	857.3	892.9
77.5°	725.9	682.8	639.6	703.5	742.8
80°	575.8	532.7	510.2	543.9	570.2
82.5°	407.0	378.9	356.4	380.8	393.9
85°	230.7	225.1	202.6	210.1	210.1
87.5°	52.5	60.0	67.5	61.9	52.5
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)